

Specifications

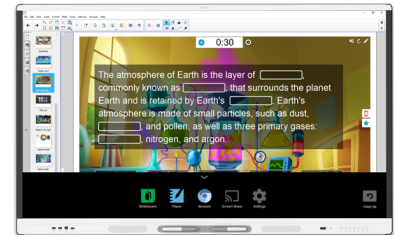
SMART Board® MX286 interactive display with iQ

Model SBID-MX286

Overview

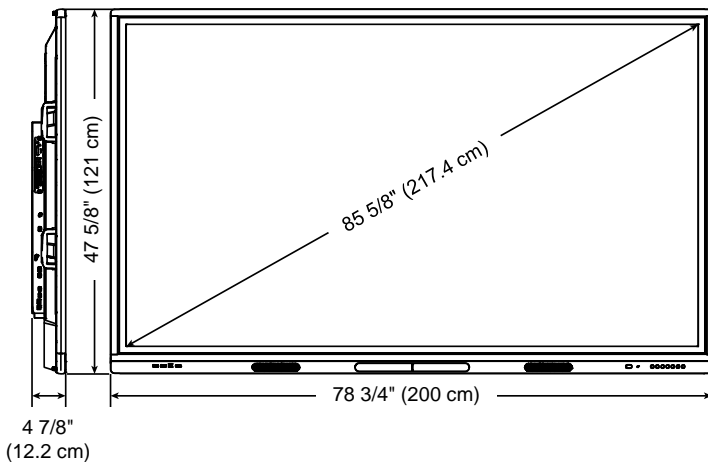
Digital whiteboard. Web browser. Screen sharing. Our newest SMART Board® MX series has all the essentials educators need for bringing the devices students love into any learning environment. MX series is a great value for schools that need an interactive display on a budget. Available in 65", 75" and 86" sizes—all in 4K Ultra HD resolution—with SMART Learning Suite included, and a standard three-year warranty.

The SMART Board MX series iQ technology puts everything you need in one place, available at the touch of a finger. No need for wires and cables. The embedded iQ appliance offers one-touch access to SMART Learning Suite applications, including SMART Notebook® lessons, SMART lab™ activities and SMART amp® software workspaces. You can also access collaboration tools, including a digital whiteboard, built-in web browser and wireless screen sharing (iOS and Android™ mobile devices and a wide variety of computers).



Dimensions and weights¹

Dimensions



Weight

173 lb. (78.3 kg)

Active touch area

76 3/8" × 43 3/4" (194.1 cm × 111.2 cm)

Active image area

74 5/8" × 42" × (189.5 cm × 106.6 cm)

Shipping dimensions (including pallet)

85 1/4" W × 57 3/8" H × 11 5/8" D
(216.5 cm × 145.7 cm × 29.5 cm)

Shipping weight

240 lb. (109 kg)

¹All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

Hardware

Interaction


Touch technology	IR
Multitouch capabilities	Up to 10 simultaneous touch, writing or erase points ²
Object awareness	Behavior adjusts automatically to the tool or object you're using, whether it's a pen, finger or palm.

Display

Type	LED backlit
Aspect ratio	16:9
Resolution	4K UHD
Positioning accuracy	<2 mm
Horizontal frequency (minimum)	31 Hz
Horizontal frequency (maximum)	140 kHz
Vertical frequency (minimum)	59 Hz
Vertical frequency (maximum)	70 Hz
Contrast ratio (typical)	4000:1
Brightness (maximum)	≥350 cd/m ²
Refresh frequency	60 Hz
Pixel clock (maximum)	600 MHz
Pixel dimensions	0.49 mm
Viewing angle	178°
Response time (typical)	8 ms
Ambient light sensor	Yes

Audio	10 W integrated speakers (×2)
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²Requires SMART Product Drivers to be installed. Some applications might not support all touch points.

Included cables and accessories	iQ appliance Country-specific power cable 16' 5" (5 m) USB cable Wall mount bracket kit Pen (×2) Antennas (×2) IR remote control	
iQ appliance		
Wireless technology	Bluetooth® dual mode (backwards compatible with Bluetooth 2.1 + EDR)	
Capture options	Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the interactive display's unique QR code	
Supported languages	French German Italian Japanese Korean Norwegian Simplified Chinese Spanish Swedish Traditional Chinese	
Mounting holes	For a standard VESA® 700 mm × 400 mm mounting plate with M8 screws	
	 NOTE A wall mount is included with the display.	
Mounting bracket depth	Minimum clearance depth of 1 1/4" (3 cm) for all components on the back of the interactive display for airflow	
Connectors		
Back	Connector panel: HDMI® 2.0 in (×2) VGA in RJ45 (×2) USB Type-B (for touch applications) (×1) USB 2.0 Type-A (×2) HDMI 1.4 out (HDCP-compliant) ³ S/PDIF out (optical) Stereo 3.5 mm in (for VGA in) Stereo 3.5 mm out OPS slot RS-232 control	iQ appliance (AM40): USB 3.0 Type-A (×2) HDMI 1.4 (not available)

³HDCP is always enabled. Content is shown in 480p resolution if the external display doesn't support HDCP.

SMART BOARD MX286 INTERACTIVE DISPLAY WITH IQ – MODEL SBID-MX286

Front	HDMI 1.4 in USB Type-B (for touch applications) USB Type-A (×2)
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Applications

Interactive display	Apps included in the iQ appliance One-year subscription to SMART Learning Suite
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Installation requirements

Interactive display	See the <i>SMART Board MX200 series interactive displays installation and maintenance guide</i> (smarttech.com/kb/171257)
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SMART Notebook® Player mobile app	iOS 10 or later operating system software
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SMART kapp® app

Apple devices	iOS 9 or later operating system software 50 MB of storage iPhone 4S or later Third-generation iPad or later First-generation iPad mini or later Fifth-generation iPod touch or later
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Android devices	Android 4.4.4 (KitKat) or later operating system 50 MB of storage (internal or SD card) 1024 MB of RAM 720p or better screen resolution Bluetooth 2.1 + EDR 3 megapixel or better rear-facing camera (recommended)
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SMART kapp viewer

Mobile	Safari for iOS 9 or later operating system software Chrome™ for Android 39.0.2171.93 or later
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Desktop	Internet Explorer® 10 or later Chrome 39.0.2171.95 or later Firefox® 34.0.5 or later Safari 8.0 or later
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Room computers and guest laptops

General requirements	See the SMART Notebook software release notes
4K UHD	Graphics card that supports 3840 × 2160 resolution at 30 Hz and that has 1 GB DDR 5 memory See Minimum requirements for Ultra High Definition or 4K on your interactive flat panel

Mini-computers

General requirements	See the SMART Notebook software release notes
Bracket	Optional bracket available

Cable requirements

HDMI

Maximum length: 23' (7 m)

NOTES

- Use only certified HDMI cables that have been tested to support the performance standard you require
- The performance of cables longer than 23' (7 m) is highly dependent on the cable's quality

USB

Maximum length: 16' (5 m)

Important

Using cables that are longer than these maximum lengths can produce unexpected results, such as degraded picture quality or USB connectivity. Refer to *SMART installation standards* (smarttech.com/kb/171035) for comprehensive information about cables and extensions for SMART hardware products.

Storage and operating requirements

Power requirements 100V to 240V AC, 50 Hz to 60 Hz

Interactive flat panel and iQ appliance power consumption at 77°F (25°C)

Standby mode ≤0.3 W

Maximum operating 380 W

Standalone interactive display power consumption at 77°F (25°C)

Standby mode ≤0.3 W

Normal operating
(out-of-box) 365 W

Operating temperature 41–95°F (5–35°C)

Storage temperature -4–140°F (-20–60°C)

Humidity 5–80% relative humidity, non-condensing

Certification and compliance

Regulatory certification (Model ID: IDX86-1) UL (U.S./Canada), FCC, IC, CE, EAC, RCM, NRCS, SABS, CITC, TRA

Environmental compliance

European Union REACH, RoHS, Battery, WEEE and Packaging

U.S. CONEG Packaging, California Proposition 65 and Conflict Minerals

Purchasing information

Order number

SBID-MX286	SMART Board MX086 interactive display with IQ and SMART Learning Suite
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Optional accessories

Other	See smarttech.com/accessories
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Warranty

North America and rest of world	Three-year limited equipment warranty
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UK	Five-year limited equipment warranty
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Extended warranty

EWY1-SBID-MX286	SBID-MX286 interactive display with IQ one-year warranty extension
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EWY2-SBID-MX286	SBID-MX286 interactive display with IQ two-year warranty extension
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